



A.D. 1846 N° 11,154.

S P E C I F I C A T I O N

OF

WILLIAM HENRY MOGGRIDGE.

ATTACHMENTS FOR ARTIFICIAL TEETH.

L O N D O N :

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,

PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY :

PUBLISHED AT THE GREAT SEAL PATENT OFFICE,

25, SOUTHAMPTON BUILDINGS, HOLBORN.

Price 6d.

1857.



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Attachments for Artificial Teeth.

MOGGRIDGE'S SPECIFICATION.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, WILLIAM HENRY MOGGRIDGE, of No. 13, Old Burlington Street, in the County of Middlesex, Dentist, send greeting.

WHEREAS Her present most Excellent Majesty, by Her Letters Patent
5 under the Great Seal of Great Britain, bearing date at Westminster, the
Thirty-first day of March, in the ninth year of Her reign, did give and grant
unto me, the said William Henry Moggridge, my exors, admors, and assigns,
Her said Majesty's especial licence, full power, sole privilege and authority,
that I, the said William Henry Moggridge, my exors, admors, and assigns,
10 or such others as I, the said William Henry Moggridge, my exors, admors,
or assigns, should at any time agree with, and no others, from time to
time and at all times thereafter during the term of years therein mentioned,
should and lawfully might make, use, exercise, and vend, within that part of
the United Kingdom of Great Britain and Ireland called England, Her
15 Dominion of Wales, and Town of Berwick-upon-Tweed, and also in the
Islands of Jersey, Guernsey, Alderney, Sark, and Man, and in all Her
Colonies and Plantations abroad, my Invention of "CERTAIN IMPROVEMENTS
IN THE PLATES OR PIECES FOR THE ROOF AND GUMS OF THE MOUTH FOR ATTACHING
THERETO ARTIFICIAL TEETH;" in which said Letters Patent there is contained
20 a proviso requiring that I, the said William Henry Moggridge, shall parti-
cularly describe and ascertain the nature of my said Invention, and in what
manner the same is to be performed, by an instrument in writing under my

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hand and seal, and cause the same to be enrolled in Her said Majesty's High Court of Chancery within six calendar months next and immediately after the date of the said in part recited Letters Patent, as, reference being thereunto had, will more fully and at large appear.

NOW KNOW YE, that in compliance with the said proviso, I, the said 5 William Henry Moggridge, do hereby declare that the nature of my said Invention, and the manner in which the same is to be performed, are particularly described and ascertained in and by this present Instrument in writing, reference being had to the Drawings hereunto annexed, and in which said several Drawings similar parts are marked and referred to by similar letters 10 or figures (that is to say) :—

My said Invention consists,—

Firstly, of an improvement in the shape or form of the plates or pieces of metal or other suitable material, to be fitted to the roof or gums of the mouth for attaching thereto artificial teeth; and secondly, of an improved mode of 15 taking casts of the roof or gums of the mouth for the purpose of fitting thereto such plates or pieces as aforesaid.

And firstly, my improvement in the form or shape of plates or pieces for carrying artificial teeth consists in constructing such plates or pieces of such form or shape that the surfaces of the plates or pieces which are to come in 20 contact with the roof or gums of the mouth shall press more strongly upon the roof or gums at or near to the edges of such pieces than in the centre or middle parts of such surfaces, so that, when the roof or gums come in contact with and are pressed upon such surfaces, the air may be excluded and the pressure of the atmosphere may cause the plates or pieces which carry arti- 25 ficial teeth to adhere more firmly to the roof or gums. In order to do this, if the plate or piece is intended to fit the roof of the mouth, the centre or middle part of the surface which is to come in contact with the roof must be made to project rather less than the opposite hollow in the roof of the mouth recedes, and thus when the plate or piece is pressed upon the soft roof the air 30 will be excluded and the pressure of the atmosphere upon the plate or piece will cause it to adhere, and the close contact of the plate or piece at the edges will prevent the intrusion of the air. So, if the plate or piece is intended to fit the gums, the centre or middle part of the surface which is to come in contact with the gums must be made somewhat deeper than the projecting 35 parts of the gums which are to come in contact with such surface; by which means the same result will be produced and the plate be caused to adhere more firmly to the gums. To the plates thus constructed the teeth are to be rivetted or fixed in the usual way, or the teeth and piece (when a metal plate

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is not used) may be made all in one if thought more desirable. In the Drawings hereunto annexed I have shewn figures of plates or pieces constructed according to this part of my Invention. Figure 1 is a front elevation of a set of artificial teeth (for the upper jaw) fitted to or formed upon a
5 "piece" of suitable composition or material for carrying the same, which is constructed according to the shape or form above referred to. Figure 2 is a side or profile view thereof. Figure 3 a vertical section through the line Z, Z, of Figure 4, which represents a plan view of Figures 1 and 2, seen from the upper or that side marked Y in those Figures. Figure 5 is a front elevation
10 of a set of artificial teeth (for the upper jaw) fitted into or upon a metallic plate for carrying the same, which is constructed according to the shape or form above referred to. Figure 6 is a side or profile view thereof. Figure 7 is a vertical section through the line Z, Z, of Figure 8, which represents a plan view of Figures 5 and 6, seen from the side marked Y in those Figures. A
15 marks the teeth, and B the wire for securing or attaching them to the metal plate or piece of suitable composition or material marked C, D, the shape or form of which constitutes the improvement intended in this first division of my Invention; such plate or piece being made to press more closely against the or gums of the mouth at the edges C than at the centre or middle
20 portion D. It is to be observed, that in making any plate or piece intended for the roof of the mouth care must be taken that the plate or piece does not extend so far backwards as to interfere in any way with the curtain of the palate.

And secondly, my improved mode of taking casts of the roof or gums of the mouth, for the purpose of fitting thereto such plates or pieces as afore-
25 said, consists in admitting air between the surface of a wax mould and the roof or gums of the mouth to which such wax mould may have been applied for making a cast thereof, so that the pressure of the mould by the atmosphere to the roof or gums may be overcome and the mould removed without bending, twisting, or distorting it. For this purpose I make holes in the usual plates or
30 frames for holding the wax intended to be applied to the roof or gums in such a position that holes communicating with the atmosphere may be made through the wax to the surface of the roof or gums in contact therewith; and, when the wax has been applied to the roof or gums, I then take a piece of wire or any suitable instrument (made blunt, so as not to
35 injure the mouth) and push it through the holes in the plate or frame, and through the wax to the surface of the roof or gums, so as to let the air in between the mould and the roof or gums. Some of the ordinary plates or frames used for the purpose of making wax moulds are shewn in the Drawings hereunto annexed. In Figures 9, 10, 10, 12, 13, 14, are shewn the

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modes in which I perforate such plates or frames. Figure 9 is a side elevation or profile view of one of these plates or frames (having holes formed therein as above described). Figure 10, an end view, seen from the end marked X in Figure 9. Figure 11, a plan view seen from the upper or that side marked W in Figure 9. Figures 12, 13, and 14, are views of another plate or frame (having holes formed therein as before stated), and correspond respectively to the views represented at Figures 9, 10, and 11, as above described. In all these Figures M marks the plate or frame for holding the wax which is to form by pressure against the mouth a mould or matrix of corresponding form. N marks the holes referred to in the foregoing description, and O the handle of the instrument.

Having now described the nature of my said Invention, and the manner in which the same is to be performed, I claim,—

Firstly, the construction of the plates or pieces of the shape or form herein-before described, whereby the pressure of the atmosphere may be made to cause such plates or pieces to adhere more effectually to the roof or gums of the mouth. And,

Secondly, I claim the improved mode of taking casts of the roof or gums of the mouth, for the purpose of more accurately fitting thereto such plates or pieces as aforesaid in manner herein-before described. 20

In witness whereof, I, the said William Henry Moggridge, have hereunto set my hand and seal, this Thirtieth day of September, in the year of our Lord One thousand eight hundred and forty-six.

W. HENRY (L.S.) MOGGRIDGE.

AND BE IT REMEMBERED, that on the Thirtieth day of September, in the year of our Lord 1846, the aforesaid William Henry Moggridge came before our said Lady the Queen in Her Chancery, and acknowledged the Specification aforesaid, and all and every thing therein contained and specified, in form above written. And also the Specification aforesaid was stamped according to the tenor of the Statute made for that purpose. 30

Enrolled the Thirtieth day of September, in the year of our Lord One thousand eight hundred and forty-six.

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Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1857.

FIG. 1.

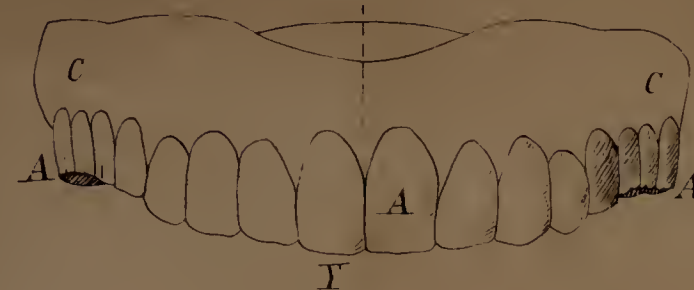


FIG. 5.

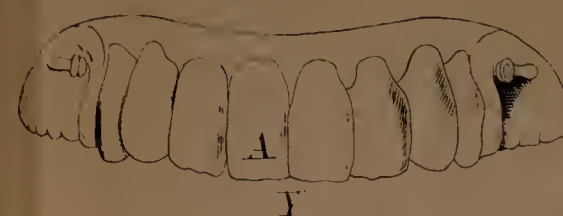


FIG. 9.

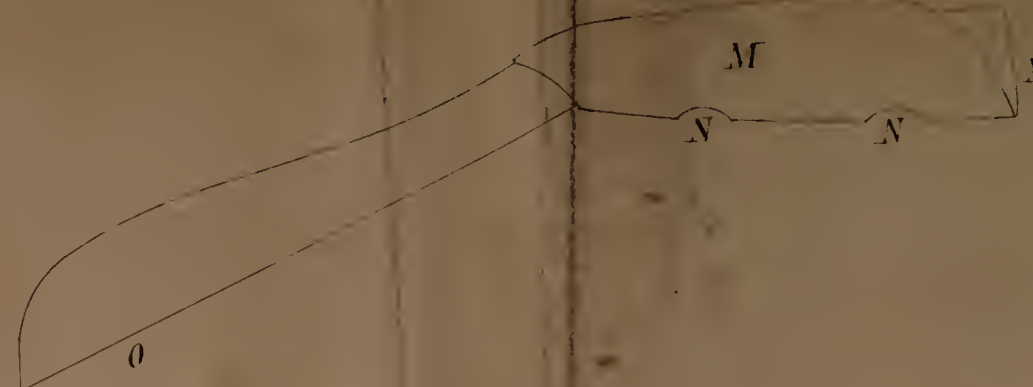


FIG. 10.

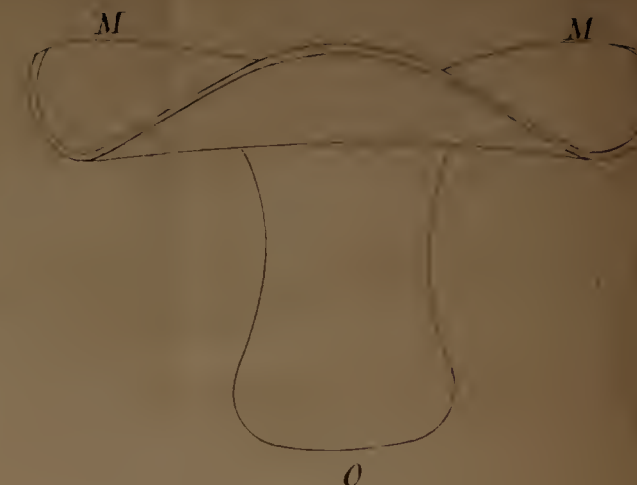


FIG. 2.

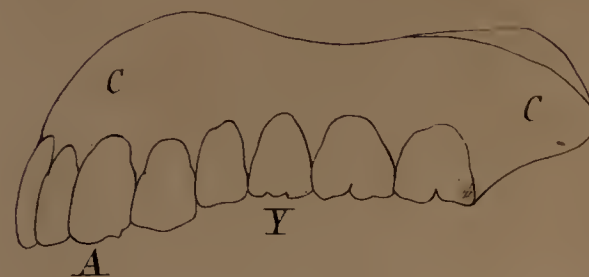


FIG. 6.

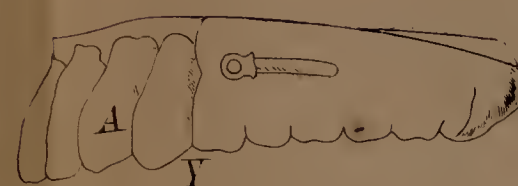


FIG. 11.

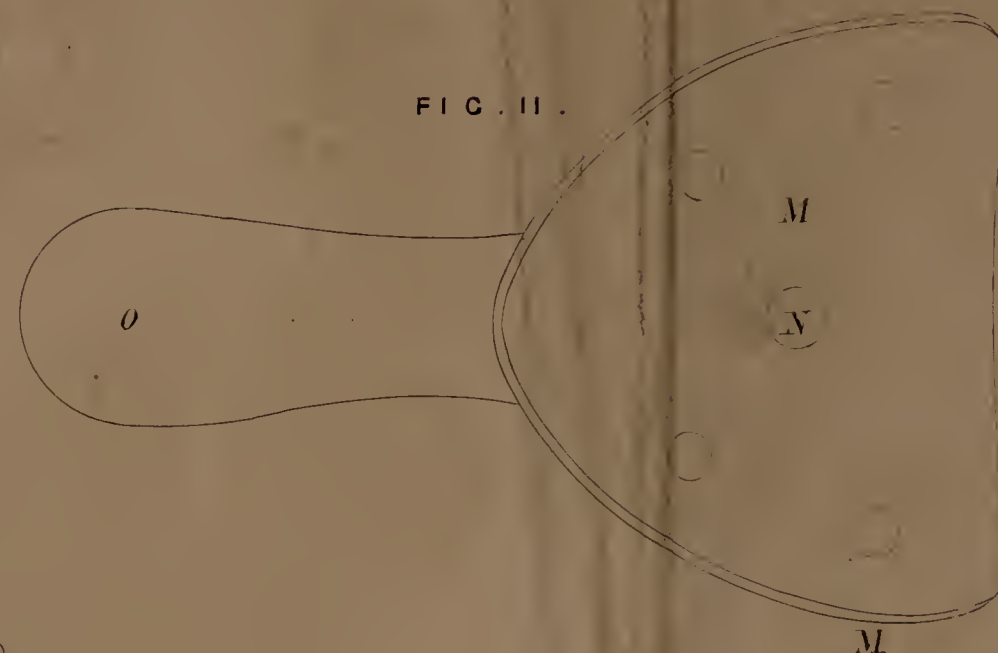


FIG. 3.

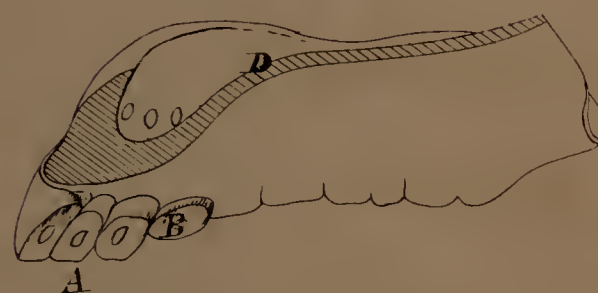


FIG. 7.



FIG. 12.

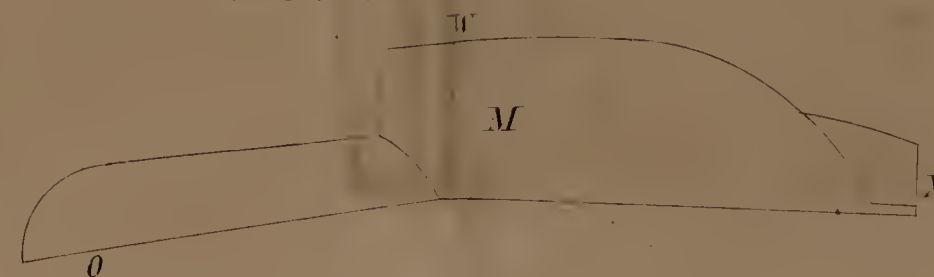


FIG. 13.

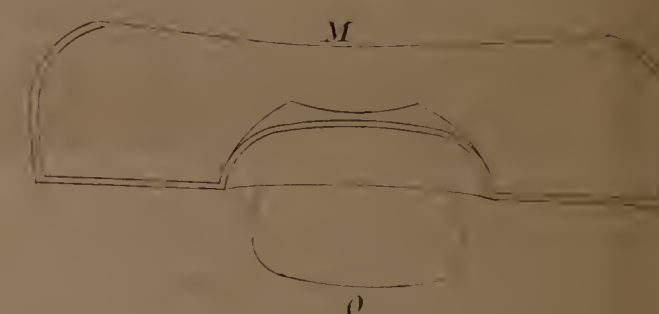


FIG. 4.

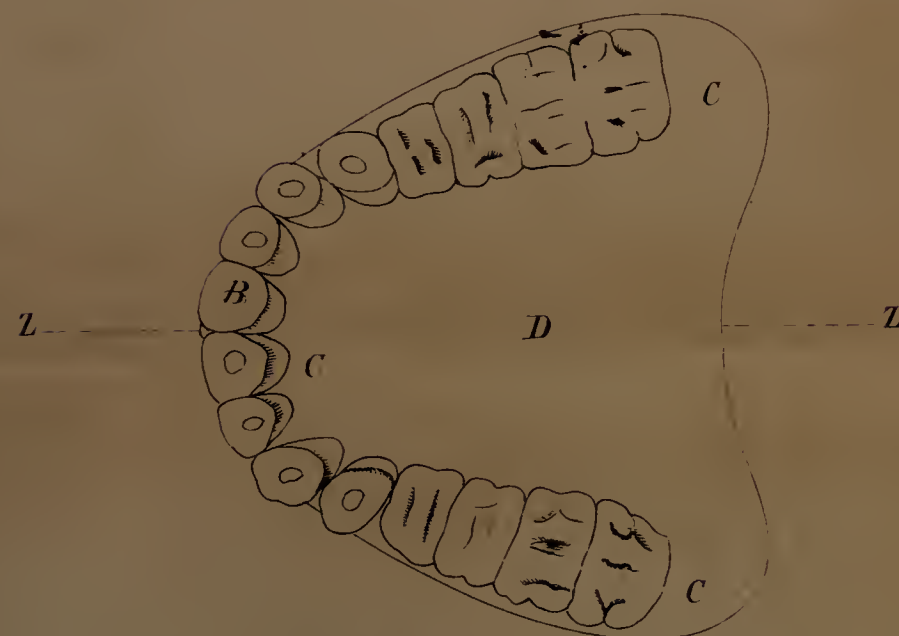


FIG. 8.

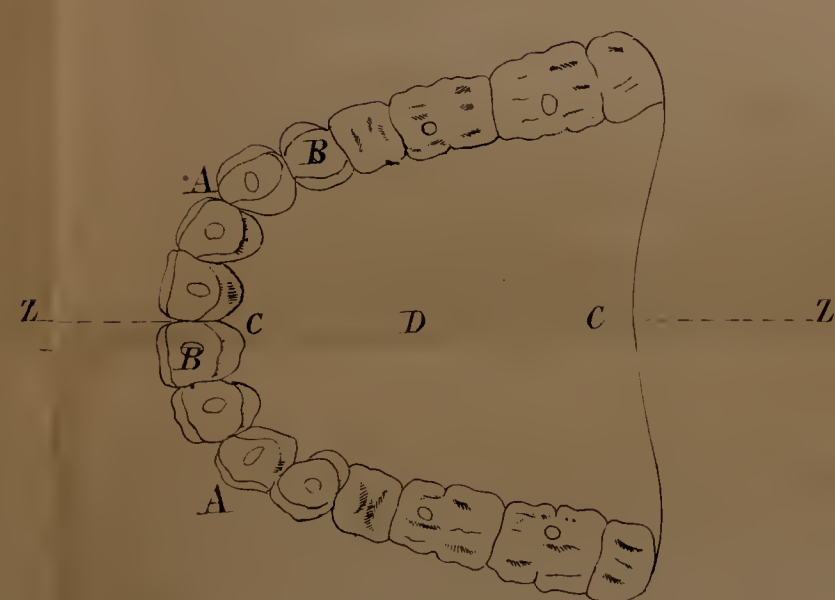


FIG. 14.

